

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	762	148/437.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:57
S2	1433	420/528,540,548,550.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:57
S3	2003	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:57
S4	17	S3 and "recrystallized grain size"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:58
S5	124	S3 and fin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:58
S6	2	S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:58
S7	212	S3 and (fin or brazing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:58

S8	48	S7 and "grain size"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 15:58
S9	2	"2002161323"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/10 16:06
S10	3	"20040028940"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/05 14:59
S11	4	"2002090031"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 14:55
S12	36	"537764"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 15:06
S13	3	"05098376"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 15:09
S14	14	"3013548"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 15:22
S15	5	"03013548"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 15:22
S16	774	148/437.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:11

S17	1453	420/528,540,548,550.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:11
S18	2034	S16 or S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:12
S19	39	S18 and twin near (roll or belt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:12
S20	463	aluminum same (twin near (roll or belt))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:12
S21	243	S18 and continuous with cast\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:12
S22	5906	aluminum same continuous with cast\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:12
S23	1187	aluminum same (continuous with cast\$5) same thick\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:13
S24	306	S23 same anneal\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 20:13
S25	1	"12488032"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/08 14:58

S26	2	"20030015573"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 15:58
S27	5	"2005002383"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 16:57
S28	5	"2005075691"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:27
S29	2	"20070113936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:28
S30	6	("20030015573" "20040028940" "20050106410").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 12:02
S31	0	"10152922"	USPAT	OR	ON	2010/07/26 15:14
S32	7	"10152922"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 15:14
S33	154	(Akira near2 Kawahara).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 15:15
S34	22	S33 and brazing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 15:15

S35	15	("20020043311" "3989548" "4325755" "4511632" "4614224" "4906534" "4929421" "5476725" "5669436" "5714019" "5833775" "6165291" "6280543").PN. OR ("6620265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/26 15:16
S36	2	"20040028940"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/26 15:21
S37	3	("4908184" "6620265" "6627330").PN. OR ("7018722").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/26 15:29
S38	15	("20020043311" "3989548" "4325755" "4511632" "4614224" "4906534" "4929421" "5476725" "5669436" "5714019" "5833775" "6165291" "6280543").PN. OR ("6620265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/26 15:31
S39	4	"2003054242"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 15:46
S40	12	"1717327"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 15:50
S41	1	"20050199318"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/26 16:04
S42	4	"2003044235"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 16:36
S43	2	"20050034793"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 16:37
S44	1	"10495118"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 17:14

S45	3	"9738145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 17:26
S46	3	"05098376"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 17:28
S47	5	"03013548"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 17:39
S48	5	"2001001402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 18:15
S49	2	"20010001402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 18:15
S50	15	"4126487"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/26 18:19
S51	498	148/552,696.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 16:24
S52	43	S51 and (braz\$4 or fin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 16:25

S53	58	(("3787248" "3930895" "4028141" "4111721" "4151013" "4151896" "4235646" "4238248" "4260419" "4269632" "4282044" "4318755" "4334935" "4407679" "4411707" "4424084" "4441933" "4498523" "4517034" "4526625" "4582541" "4589932" "4605448" "4614224" "4614552" "4626294" "4637842" "4645544" "4718948" "4753685" "4855107" "4861388" "4872921" "4929285" "4976790" "4988394" "5061327" "5089490" "5104459" "5104465" "5106429" "5110545" "5133402" "5156683" "5192378" "5356495" "5362341" "5469912" "5470405" "5496423" "5514228" "5681405" "5833775" "5976279" "5985058" "5993573" "6120621").PN. OR ("6579387").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 17:36
S54	14	S53 and (second with intermediate with anneal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 17:40
S55	15	(("20020043311" "3989548" "4325755" "4511632" "4614224" "4906534" "4929421" "5476725" "5669436" "5714019" "5833775" "6165291" "6280543").PN. OR ("6620265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 17:48
S56	498	148/552,696.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 18:26
S57	25	S56 and ((second or plural) with intermediate with anneal \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 18:26

S58	11	"5380379"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 18:28
S59	1680	148/437,549-552,696.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:25
S60	1462	420/528,540,548,550.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:25
S61	2910	S59 or S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:25
S62	45	S61 and ((second or plural) with intermediate with anneal \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:25
S63	290	S61 and (braz\$4 or fin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:26
S64	11	S62 and (braz\$4 or fin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:26
S65	5	"2005002383"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 19:32
S66	1	"11996836"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/28 20:04

S67	16	"3917151"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 16:00
S68	2	"20050034793"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 16:12
S69	2	"2004170061"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:05
S70	7	"5336341"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:09
S71	16	"3917151"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:13
S72	10	"3945860"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:15
S73	13	"2221660"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:18
S74	21	"3490955"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/22 15:19
S75	2	"2004176091"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/24 18:01

S76	1	"11996836"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/21 15:24
S77	1705	148/437,549-552,696.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/14 15:32
S78	1476	420/528,540,548,550.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/14 15:32
S79	2946	S77 or S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/14 15:32
S82	161	aluminum.ti.ab. and ((second or plural) with intermediate with anneal\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/14 15:50
S89	1	"11996836"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/14 16:19
S97	5	"2005060790"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/10 16:48
S98	1	"11996836"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/10 17:37
S99	2	"11996836"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 18:54

S100	5	"2005002383"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:19
S101	12	"2553910"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:30
S102	3	"20050034793"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:31
S103	2	"20030015573"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:32
S104	3	"20040209105"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:36
S105	2	"10587568"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 19:42
S106	1746	148/437,549-552,696.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:44
S107	1509	420/528,540,548,550.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:44
S108	3013	S106 or S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:44

S109	48	S108 and ((second or plural) with intermediate with anneal\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:44
S110	52	((fin or brazing) and ((second or plural) with intermediate with anneal\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:45
S111	5	S108 and (wind\$4 with rolls) and (intermediate with anneal \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/17 20:48
S124	15	"5725695"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/14 20:36
S125	19	"5833775"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/14 20:36
S126	19	"5976279"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/14 20:36
S127	1751	148/437,549-552,696.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:10
S128	1511	420/528,540,548,550.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:10
S129	3020	S127 or S128	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:10

S130	861	S129 and (si or silicon) and (fe or iron) and (mn or manganese) and (zn or zinc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:10
S131	166	S130 and (fin or braz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:10
S132	7958	(al or aluminum).ti. and (si or silicon) and (fe or iron) and (mn or manganese) and (zn or zinc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:11
S133	1210	S132 and (fin or braz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:11
S134	81	S133 and recrystallized	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:11
S135	152	S130 and recrystallized	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:11
S136	32	S131 and recrystallized	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:12
S147	19	"5976279"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:36
S148	19	"5833775"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:37

S149	15	"5725695"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/01 19:37
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S83	950	148/437,549-552,696.ccls.	USPAT; UPAD	OR	ON	2011/01/14 15:50
S84	807	420/528,540,548,550.ccls.	USPAT; UPAD	OR	ON	2011/01/14 15:50
S85	1560	S83 or S84	USPAT; UPAD	OR	ON	2011/01/14 15:50
S86	33	S85 and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/01/14 15:50
S87	20	(fin or brazing) and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/01/14 15:51
S88	62	aluminum.ti,ab. and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/01/14 15:51
S90	957	148/437,549-552,696.ccls.	USPAT; UPAD	OR	ON	2011/02/23 18:06
S91	809	420/528,540,548,550.ccls.	USPAT; UPAD	OR	ON	2011/02/23 18:06
S92	1567	S90 or S91	USPAT; UPAD	OR	ON	2011/02/23 18:06
S93	1567	S90 or S91	USPAT; UPAD	OR	ON	2011/02/23 18:06
S112	971	148/437,549-552,696.ccls.	USPAT; UPAD	OR	ON	2011/10/17 20:44
S113	817	420/528,540,548,550.ccls.	USPAT; UPAD	OR	ON	2011/10/17 20:44
S114	1585	S112 or S113	USPAT; UPAD	OR	ON	2011/10/17 20:44
S115	34	S114 and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/10/17 20:44
S116	21	(fin or brazing) and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/10/17 20:44
S117	64	aluminum.ti,ab. and ((second or plural) with intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/10/17 20:44
S118	971	148/437,549-552,696.ccls.	USPAT; UPAD	OR	ON	2011/10/17 20:47

S119	817	420/528,540,548,550.ccls.	USPAT; UPAD	OR	ON	2011/10/17 20:47
S120	1585	S118 or S119	USPAT; UPAD	OR	ON	2011/10/17 20:47
S121	1	S120 and (wind\$5 with rolls) same (intermediate with anneal \$4)	USPAT; UPAD	OR	ON	2011/10/17 20:47
S122	578	aluminum.ti.ab. and (intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/10/17 20:47
S123	2	S120 and (wind\$5 with rolls) and (intermediate with anneal\$4)	USPAT; UPAD	OR	ON	2011/10/17 20:48
S137	972	148/437,549-552,696.ccls.	USPAT; UPAD	OR	ON	2011/12/01 19:12
S138	817	420/528,540,548,550.ccls.	USPAT; UPAD	OR	ON	2011/12/01 19:12
S139	1586	S137 or S138	USPAT; UPAD	OR	ON	2011/12/01 19:12
S140	510	S139 and (si or silicon) and (fe or iron) and (mn or manganese) and (zn or zinc)	USPAT; UPAD	OR	ON	2011/12/01 19:12
S141	100	S140 and (fin or braz\$4)	USPAT; UPAD	OR	ON	2011/12/01 19:12
S142	1559	(al or aluminum).ti. and (si or silicon) and (fe or iron) and (mn or manganese) and (zn or zinc)	USPAT; UPAD	OR	ON	2011/12/01 19:12
S143	245	S142 and (fin or braz\$4)	USPAT; UPAD	OR	ON	2011/12/01 19:12
S144	33	S143 and recrystallized	USPAT; UPAD	OR	ON	2011/12/01 19:13
S145	92	S140 and recrystallized	USPAT; UPAD	OR	ON	2011/12/01 19:13
S146	21	S141 and recrystallized	USPAT; UPAD	OR	ON	2011/12/01 19:13

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